Name:

p1103: Expand Product of Linear Binomials (v20)

Question 1

Expand the product of linear binomials. $(x - 6)(x + 8)$

$$x^2 + 8x - 6x - 48$$

$$x^2 + 2x - 48$$

Question 2

Expand the product of linear binomials. $(x + 9)(x - 9)$

$$x^2 - 9x + 9x - 81$$

$$x^2 - 81$$

Question 3

Expand the product of linear binomials. $(x - 9)(x + 8)$

$$x^2 + 8x - 9x - 72$$

$$x^2 - x - 72$$

Question 4

Expand the product of linear binomials. $(-4x + 9)(5x + 1)$

$$-20x^2 - 4x + 45x + 9$$

$$-20x^2 + 41x + 9$$

Question 5

Expand the product of linear binomials. $(-6x + 5)(9x - 2)$

$$-54x^2 + 12x + 45x - 10$$

$$-54x^2 + 57x - 10$$

Question 6

Expand the product of linear binomials. $(x-2)(x-8)$

$$x^2 - 8x - 2x + 16$$

$$x^2 - 10x + 16$$

Question 7

Expand the product of linear binomials. $(3x+9)(5x+5)$

$$15x^2 + 15x + 45x + 45$$

$$15x^2 + 60x + 45$$

Question 8

Expand the product of linear binomials. $(x-6)(x-3)$

$$x^2 - 3x - 6x + 18$$

$$x^2 - 9x + 18$$

Question 9

Expand the product of linear binomials. $(9x-1)(x+6)$

$$9x^2 + 54x - x - 6$$

$$9x^2 + 53x - 6$$

Question 10

Expand the product of linear binomials. $(-6x+4)(2x+7)$

$$-12x^2 - 42x + 8x + 28$$

$$-12x^2 - 34x + 28$$